

FORWARDING COMMUNICATION NETWORK
AND WIRELESS CHANNEL ALLOCATION METHOD THEREFOR

ABSTRACT OF THE DISCLOSURE

5 A communication network (20) for providing communication throughout a region (90) is provided. The network (20) includes a hub access-point (HAP) device (40) coupled to a parent network (70) and configured to engage in connectionless outward communication (110) over a first wireless channel. The
10 network (20) includes a plurality of forwarding access-point (FAP) devices (50), wherein one FAP device (50) is configured to engage in connectionless inward communication (120) with the HAP device (40) over the first wireless channel and to engage in connectionless outward communication (110) over a second
15 wireless channel. The network (20) includes a plurality of customer-premise-equipment (CPE) devices (60), wherein one CPE device (60) is configured to engage in connectionless inward communication (120) with either the one FAP device (50) over the second wireless channel.